

CLAIMS

1. System for distribution of audio / video signals comprising audio / video signal sources (MGT, DVD, C, HIFI) and audio / video signal receivers (TV1, TV2, TV3, TV4), and a central processing and multiplexing unit (MDS, MDS'),  
5 characterised in that it comprises a twisted pairs service network (PS) for routing audio / video signals derived from sources to the central processing and multiplexing unit and a twisted pairs distribution network (PD) to carry the processed and multiplexed audio / video signals output from the processing  
10 and multiplexing unit to the receivers.

2. System according to claim 1, also including means (RIR) of inputting control signals that can be routed on the control signals network.  
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3. System according to claim 1 or 2, also including connection means (RJ) on which signal sources can be connected to send signals and to receive control signals on the service network.  
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4. System according to claim 1, 2 or 3, also including input modulators (MDL) associated with corresponding connection means (RJ) to modulate signals to be routed on the service network.  
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5. System according to any one of the above claims, also including coaxial cable terminals (F) on which a coaxial cable (CX) leading to a TV receiver (TV1, TV2, TV3, TV4) can be connected.

6. System according to any one of the above claims, also including adapters (BL) associated with coaxial terminals (F) to adapt a processed signal output from the distribution network to  
5 be routed on a coaxial cable.

7. System according to any one of the above claims, also including multiplexing means (MX, mxs) to multiplex control signals on the service network and to multiplex the modulated TV  
10 signals on the distribution network.

8. System according to any one of the above claims, also including a processing unit (U1) to process the multiplexed modulated signals output from the service network so as to route  
15 them on the distribution network.

9. System according to any one of the above claims, also including processing means (ut) for individually processing the modulated signals output from the service network before routing  
20 them to multiplexing means (MX).

10. System according to claim 7, in which the multiplexing means (mxs) multiplex the control signals output from the service network to reinject them onto the service network.  
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11. System according to any one of the above claims, in which the control signal input means include a wave receiver (RIR) associated with a remote control (TC1, TC2, TC3, TC4).

30 12. System according to any one of the above claims, including a box integrating:

a- the input modulators (MDL) associated with corresponding connection means (RJ) to modulate signals output from sources,

5 b- output adapters (BL) associated with corresponding coaxial terminals (F) to adapt the signal output from the distribution network,

c- means (RIR) of inputting control signals that can be routed on the service network,

10 d- connection means (RJ) onto which signal sources can be connected to send video signals and to receive control signals on the service network,

e- coaxial cable terminals (F) to which a coaxial cable (CX) connecting to a TV receiver can be connected, and

15 f- means (CPT) of connection to the distribution network and the service network.

13. System according to any one of the above claims, in which the distribution network and the service network are formed from a single previously installed network of cables  
20 consisting of twisted wire pairs (PT).

14. System according to any one of the above claims, in which the multiplexing means (MX, mxs) are also connected to external video signal sources (ANT, PRB, TS1, TS2) processed  
25 later in the processing unit (U1) so that they can be transferred onto the distribution network.

15. System according to claim 14, in which the external sources include antennas (ANT, PRB) and / or satellite terminals  
30 (TS1, TS2).